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# ESTONIAN SCIENTISTS HONORED; EARTHQUAKE RECORDED IN TASHKENT

SCIENTISTS, TECHNICIANS AWARDED PRIZES -- Sovetskaya Estoniya, No 169, 20 Jul 49

The Council of Ministers Estonian SSR has awarded prizes for work and achievements during 1948 in the following fields:

## Science

First prize of 10,000 rubles to Kheyne Khansovich Lepikson, Candidate in Technical Sciences, temporary docent in the machine-building department, Tallin Polytechnical Institute, for his scientific research work, "Research on Balancing Machines (balansirovochnaya mashina)."

Second prize of 5,000 rubles to (1) Kheynrikh Kheynrikhovich Laul', Candidate in Technical sciences, docent in the construction mechanics and designing department, Tallin Polytechnical Institute, for his scientific work, "Application of the Method of Load Distribution in Rating Plates Supported by Elastic Ribs"; (2) Khendrik Ottovich Vil'bok, senior instructor in the inorganic and analytical chemistry department, Tallin Polytechnical Institute for his scientific work "Relation of the Ion Exchange of Glauconite to Chemical and Heat Treatment and Its Practical Application."

## Inventions and Rationalization

Third prize of 3,000 rubles to (1) Leopold Augustovich Kuyk and Kherrman Yanovich Paria, junior scientific workers at the Institute of Chemistry, Academy of Sciences Estonian SSR, for their work, "The Possibilities of Producing Disinfectants From Acid Compounds of Tar of Estonian Oil Shale"; (2) Ioann Konstantinovich Yakovlev, repair foreman of Baltiyskaya Manufaktura, for technical improvement of ring-spinning frames; (3) Nikolay Ivanovich Budarin, engineer, assistant chief of building section. Institute of Scientific Research and Planning, Ministry of Shale-Chemical Industry Estonian SSR, for inventing a new type of movable grill for furnaces, which increases furnace efficiency and permits considerable savings in local fuel.

- 1 -

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High Achievements in Industry

First prize of 10,000 rubles to (1) the following workers of the "Kokhtla-Yarve" Gas-Shale Plant: A. Sidorov, M. Spiraykov, A. Al'baum, V. Denisov, A. Khudakov, G. Voroshilov, N. Turkin, N. Kolykhalov, L. Kheyfets, and M. Petrov, for their achievements in the production of high-quality gas from shale for the supply of Leningrad; (2) workers and technical engineering personnel of the "Il'marine" Plant, "Lavasaare" peat enterprises, and the Tallin Polytechnical Institute, including Ye. Soonval'd, I. Solov'yev, Kh. Drumm, O. Toon, I. Kal'yulayd, A. Khalumets, I. Teater, V. Leesalu, R. Laats, and I. Kozlov, for designing a new peat excavator which guarantees high mechanization and an increase in peat production per machine of up to 12,000 tons in one season.

Second prize of 5,000 rubles to (1) a group of workers and technical engineering personnel of the "Vol'ta" State Plant, including M. Eobyrev, A. Myul'bakh, B. Braginskiy, A. Kalashnikova, and T. Novikova, for developing a continuous method of winding stators for electric motors, a method which increased labor productivity by 83 percent in 1949; (2) a group of technical engineering personnel of the Tallin Machine-Building Plant and "Lengiprogaz," including A. Olert, D. Sklovskiy, Ye. Tel'ma, N. Krylov, I. Kvashin, I. Zaglodin, and V. Zhunko, for further improvements in the design of extractors for gas-shale furnaces, guaranteeing permanent cleaning of gas furnaces and lowering production costs by 13,468 rubles per extractor, which results in a saving of 1,927 rubles per year; (3) a group of workers and technical engineering personnel of the "Kvarts" and "Silikat" silicate plants and the Main Administration of Construction Materials Industry, including A. Rattasepp, V. Kaazik, O. Kivisson, R. Kal'd, Kh. Noot, N. Golubev, and A. Kal'dmyae, for using shale ashes from boiler rooms of silicate plants in the production of silica bricks, as a partial substitute for lime, which makes it possible to to save 2,410 tons of lime and increases the durability of bricks by 11 percent.

NOVOSIBIRSK SCIENTISTS, TECHNICAL WORKERS CONFER -- Sovetskaya Sibir', No 118,  
17 Jun 49

A 4-day scientific-technical conference at the Novosibirsk Engineering and Construction Institute was attended by professors and instructors of the institute and representatives of city industrial enterprises. Over 30 reports were read by scientists, engineers and plant workers.

At a session of the sanitary-engineering division, Engineer A. S. Klokova read a report, "Coagulation of Water Without the Use of Reaction Chambers." It contained suggestions for a new system of purifying water without mixing chambers, thereby effecting considerable savings in production costs. With the cooperation of the water-supply department of the institute, the work is being organized and put into practice.

Docent M. V. Tarasov found a method of replacing expensive organic dyes by mineral dyes manufactured from waste products of the metal industry. Tarasov's work was highly praised at the conference.

Docent N. E. Strebeyko and assistant N. G. Vostroknutov suggested new methods of computing and conducting pre-stressing of reinforced concrete girders and arches.

Engineer B. Ya. Shamovskiy suggested a simplified method of rating throttle-valve discs. To speed the application of this method, the institute plans to publish the work of Engineer Shamovskiy.

- 2 -

SECRET

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V. M. Volkov, chief engineer of the building trust, reported on a new type of flat roof using corrugated asbestos-plywood. This method of roofing has already been put into practice and has considerably reduced the use of metal.

KAZAKH SCIENTISTS DEVELOP INTER-REPUBLIC TIES -- Kazakhstanskaya Pravda, No 129, 5 Jul 49

Kazakh scientists are working in close cooperation with scientists of other Soviet republics, according to Academician S. K. Kenesbetev, Vice-President of the Academy of Sciences Kazakh SSR.

For example, Uzbek scientists are rendering great aid to the Chimkent Chemicopharmaceutical Plant in increasing the output of chemicals used to combat agricultural pests. Research of Kara-Tau phosphorite carried out by A. B. Bekturov, professor of chemistry, will benefit the Uzbek cotton industry. Among the well-known scientists working in Kazakh research institutions in recent months are: A. S. Sadykov, Active Member, Academy of Sciences Uzbek SSR; G. N. Vinograd, Doctor of Technical Sciences, Kirgizia; K. A. Ali-Zade, Azerbaydzhan; N. P. Yermolenko, Active Member, Academy of Sciences Belorussian SSR; General-leutenant F. G. Krotkov, Active Member Academy of Medical Sciences USSR; and I. P. Gerasimov and B. N. Belone, corresponding members, Academy of Sciences USSR.

REPORT QUAKE IN TASHKENT -- Pravda Vostoka, No 136, 12 Jul 49

At 1351 local time on 8 July a 3-point earthquake took place in Tashkent. A second earthquake was recorded at 1403. A 2.5-point quake was felt 10 July in Tashkent at 0954:19. The epicenter of this quake was 215 kilometers southeast of Tashkent. On the evening of 10 July three 3- to 4- point quakes were recorded, with epicenters 250-255 kilometers from Tashkent. According to the Tashkent Seismic Station, the centers of these quakes were located in the mountains of the Turkestan range, northeast of the city of Garm, Tadzhik SSR. There was no damage in the populated places of Uzbekistan.

The earthquakes are connected with orogenesis.

GEOPHYSICS INSTITUTE NEEDS SCIENTISTS -- Vechernyaya Moskva, No 161, 8 Jul 49

The Geophysics Institute of the Academy of Sciences USSR needs physicists, geophysicists, radio engineers, radio operators, and persons having a higher technical education to fill positions in seismic stations in outlying districts. Apply by telephone: V 1-01-72 and V 1-20-02.

SCIENTIFIC WORKS PUBLISHED -- Morskoy Flot, No 51, 28 Jun 49

The publishing office of the Academy of Sciences USSR is publishing the complete collected works of the outstanding Soviet scientist and Hero of Socialist Labor, Academician A. N. Krylov. Several volumes have already appeared, including the works of A. N. Krylov on compass science, theory of magnetism, and ship vibrations. At present the publication of his works on ship mathematics and theory is being prepared. One of the volumes will include Krylov's memoirs and his reports and lectures at scientific sessions and conferences.

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- 3 -

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